Project Audit

Project:

FiPi

April 12, 2022

Overview

This audit has been prepared for **FiPi** to review the main aspects of the project to help investors make make an informative decision in the research process.

You will find a a summarized review of the following main key point:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.
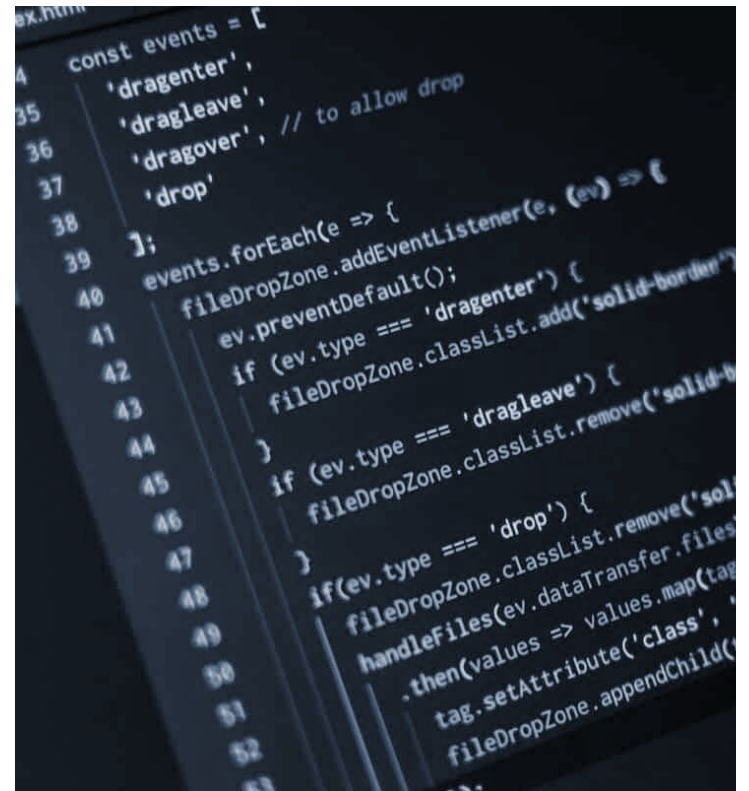
"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
- SpyWolf Team

Smart Contract Summary

Contract Name	Fipi
Ticker	FiPi
Contract	0xbB9524b540a907d3648B15C679437261FC443aa6
Network	Binance smart chain
Language	Solidity
Tax	**Buy: 5%** **Sell: 5%**
Total Supply	60,000,000
Status	Not launched yet

Current stats

Burn	No burned tokens
LP Address	Liquidity not added yet
Liquidity	Liquidity not added yet
MaxSellTxAmount	300,000

Smart Contract Statistics

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	60000000 FiPi
Median Transfer Amount	60000000 FiPi
Average Transfer Amount	60000000 FiPi
First transfer date	2022-04-11
Last transfer date	2022-04-11
Days tokens Transfer	1

Issues Checking Status

Design Logic	**Passed ✓**
Compiler warnings.	**Passed ✓**
Private user data leaks	**Passed ✓**
Timestamp dependence	**Passed ✓**
Integer Overflow and Underflow	**Passed ✓**
Race conditions and Reentrancy. Cross-function race conditions	**Passed ✓**
Possible delays in data delivery	**Passed ✓**
Oracle calls	**Passed ✓**
Front running	**Passed ✓**
DoS with Revert	**Passed ✓**
DoS with block gas limit	**Passed ✓**
Methods execution permissions	**Passed ✓**
Economy model	**Passed ✓**
The impact of the exchange rate on the logic	**Passed ✓**
Malicious Event log	**Passed ✓**
Scoping and Declarations	**Passed ✓**
Uninitialized storage pointers	**Passed ✓**
Arithmetic accuracy	**Passed ✓**
Cross-function race conditions	**Passed ✓**
Safe Zeppelin module	**Passed ✓**
Fallback function security	**Passed ✓**

Featured Wallets

Owner address	0xC069cA0236F6bF8ad0e9B79952a5E868DfA99e7b
*Liquidity wallet	Same as owner
*Marketing wallet	0x4B01143107498CBa025Dc13C4283D5f4034016DC

Top 3 Unlocked Wallets

Wallet 1 (100%)	Same as owner

Tokens are not distributed yet
*Owner have the ability to change this wallets in future

Security Threats

Owner can change buy/sell fees up to 8% (combined buy+sell=16%). If user sell amount more than assigned _whaleThreshold amount once per 24 hours, the transaction will be subject to double fees.

```solidity
function setTax(uint256 newTax) external onlyOwner() {
    //tax no bigger than 2%
    require(newTax <= 2);
    _taxFee = newTax;
}

function setMarketingTax(uint256 newTax) external onlyOwner() {
    //marketing tax no bigger than 2%
    require(newTax <= 2);
    _marketing = newTax;
}
```

```solidity
function _getTValues(uint256 tAmount)
private
view
returns(
    uint256,
    uint256,
    uint256
) {
    uint256 tFee = tAmount.mul(_taxFee * _feeMultiplier).div(100);
    uint256 tMarketing = tAmount.mul(_marketing * _marketingFeeMultiplier).div(100);
    uint256 tTransferAmount = tAmount.sub(tFee).sub(tFee).sub(tFee).sub(tMarketing);
    return (tTransferAmount, tFee, tMarketing);
}
```

```solidity
uint timeDiffBetweenNowAndSell = block.timestamp.sub(_timeSinceFirstSell[from]);
uint256 newTotal = _amountSold[from].add(amount);
if (timeDiffBetweenNowAndSell > 0 && timeDiffBetweenNowAndSell < 86400 && _timeSinceFirstSell[from] != 0) {
    if (newTotal > _whaleSellThreshold) {
        _feeMultiplier = 2;
        _marketingFeeMultiplier=2;
    }
    _amountSold[from] = newTotal;
} else if (_timeSinceFirstSell[from] == 0 && newTotal > _whaleSellThreshold) {
    _feeMultiplier = 2;
    _marketingFeeMultiplier = 2;
    _amountSold[from] = newTotal;
} else {
    _timeSinceFirstSell[from] = block.timestamp;
    _amountSold[from] = amount;
}
```

Security Threats

Owner can set change whale wallet threshold.

```
function setWhaleSellThreshold(uint256 amount) external onlyOwner() {
    require(amount >= 100000);
    // Whale threshold can only be higher than 10000 (initial value is 100000),
    // we dont want to have a possibility to set tax 16% to everyone
    _whaleSellThreshold = amount;
}
```

Owner can change max transaction limit, but can't lower it than 0.1% of total supply.

```
function setSellMaxTxAmountPromile(uint256 promile) external onlyOwner() {
    require(promile >= 1); // Cannot set lower than 0.1%
    _sellMaxTxAmountPromile = promile;
}
```

Tokenomics
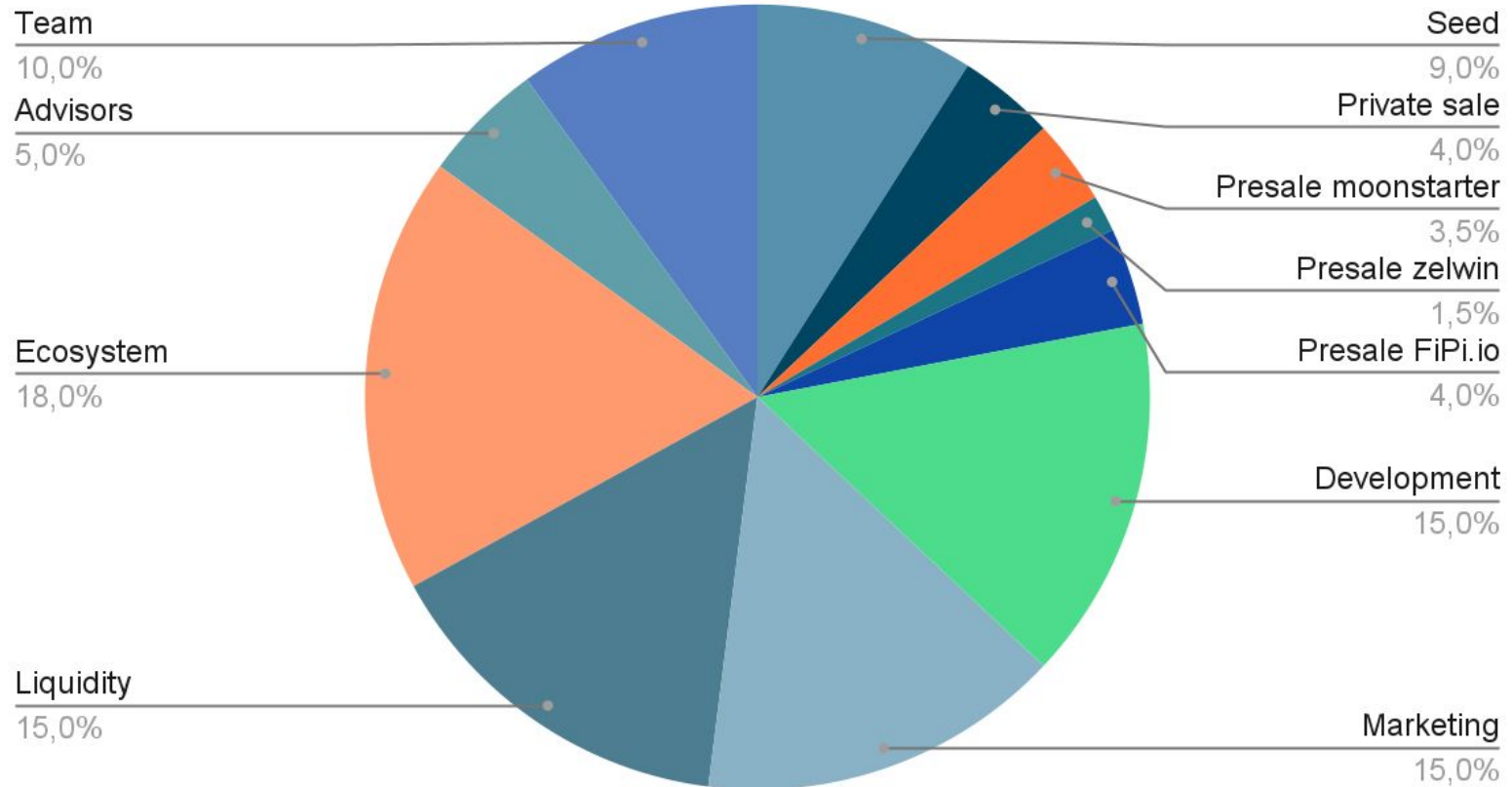
According to their whitepaper

Supply: 60,000,000 'FiPi'

- 9% - Seed
- 4% - Private sale
- 3.5% - Presale moonstarter
- 1.5% - Presale zelwin
- 4% - Presale FiPi

Presale

- 15% - Development
- 15% - Marketing
- 15% Liquidity
- 18% Ecosystem
- 5% Advisors
- 10% Team

Tokens distribution

For detailed information about vesting periods for different allocations, check their whitepaper.
https://fipi.io/docs/whitepaper.pdf

FiPi Project & Team Review

According to their whitepaper:

FiPi project will develop app which will give opportunity to the average person, to invest in crypto indexes without much required knowledge. There will be different FiPi indexes with various assets.

The basket of each FiPi Index will store cryptocurrencies, which will be automatically purchased on behalf of a user. The purchase will take place every week but there will be no action required from the user – the app does everything for them. In each FiPi index purchase, there will be also 1% $FiPi allocation.
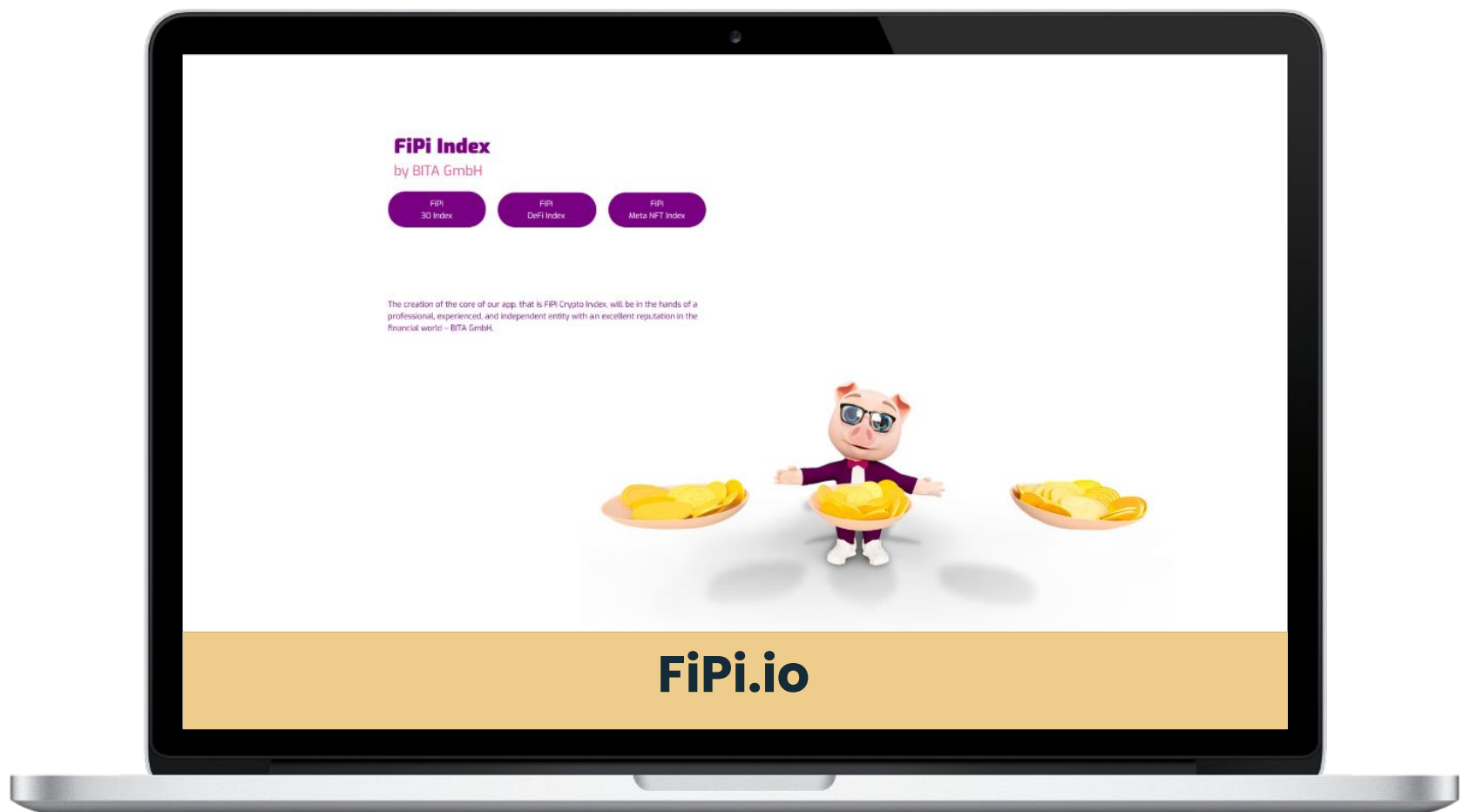
Team:

⚠️ **Team is not KYC'd** ⚠️

Website Analysis

URL: https://fipi.io/

- **Design:** Pleasant clear design, nice color scheme, single page.

- **Content:** Informative, no grammar mistakes.

- **Whitepaper:** Well written and explanatory, no grammar mistakes.

- **Roadmap:** Goals set with time frames for at least year and a half ahead.

- **Mobile-friendly?** Yes

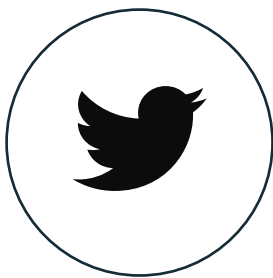- **Technical:** SSL certificate present. General SEO check passed.

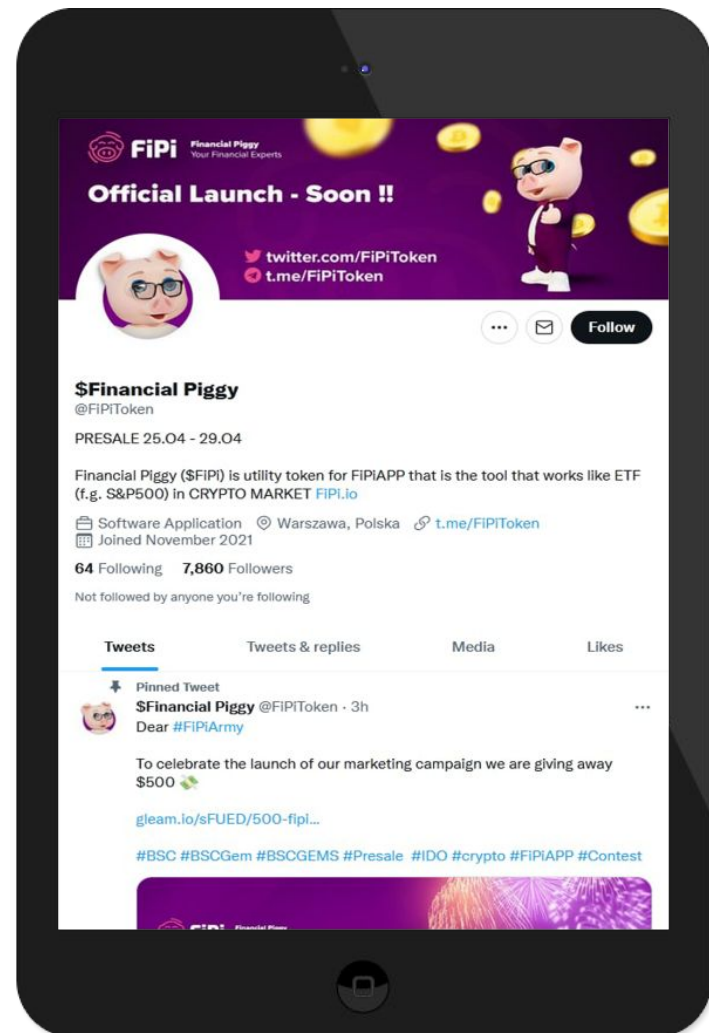# Social Media & Online Presence

Telegram

https://t.me/FiPiToken

_____

- 4 039 members

 - Few active members

- Active mod.

## Twitter

https://twitter.com/FiPiToken

_____

 - 7 854 Followers

 - Active

About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, $SPY.

▶ Website: SpyWolf.co

▶ Portal: SpyWolf.network

▶ Telegram: @SpyWolfNework

▶ Twitter: Twitter.com/SpyWolfNetwork
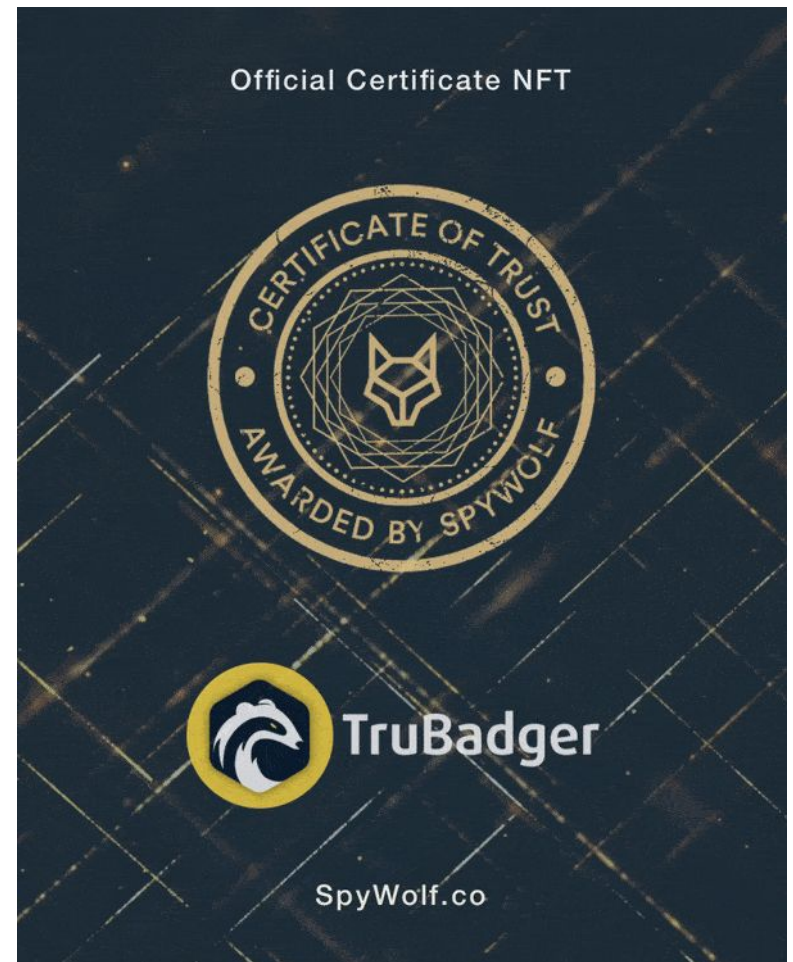
(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.
While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.